Claims

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- (1) A bearing assembly comprising:
- a spherical bearing having a center bore, the center bore having a center axis that defines mutually perpendicular axial and radial directions, the
- bearing having an exterior surface with a pair of end face surfaces at axially opposite ends of the bearing and a convex surface between the pair of end face surfaces, the convex surface extending around the bearing axis;
 - a bearing support having a bearing seating surface, the bearing seating surface engaging the bearing convex surface; and,
- a projection on the bearing support, the projection engaging with the bearing exterior surface.
 - (2) The bearing assembly of Claim 1, further comprising: the projection engaging with at least one of the bearing end face surfaces.
- 15 (3) The bearing assembly of Claim 2, further comprising: the projection being one of a plurality of projections on the bearing support that engage with the bearing end face surface.
- (4) The bearing assembly of Claim 2, further comprising: each bearing end face surface having a peripheral edge where the end 20 face surface intersects the convex surface; and
 - the projection engaging into the at least one bearing end face surface at the peripheral edge.
- (5) The bearing assembly of Claim 2, further comprising: the pair of bearing end face surfaces being flat, parallel surfaces that 25 extend around the center bore.

- (6) The bearing assembly of Claim 2, further comprising: the bearing seating surface being on a wall having a hole through the wall, the bearing being positioned in the hole.
 - (7) The bearing assembly of Claim 2, further comprising: a disk supported on the bearing support adjacent the bearing; and, the projection being on the disk.
- (8) The bearing assembly of Claim 7, further comprising: the projection being one of a plurality of projections on the disk that engage with the bearing end face surface.
- 10 (9) The bearing assembly of Claim 7, further comprising: the disk having a center hole with a peripheral edge and the projection being on the center hole peripheral edge.
- (10) The bearing assembly of Claim 7, further comprising: the bearing seating surface being on a wall having a hole through the wall, the bearing being positioned in the hole, the wall extending radially outwardly from the hole to a shoulder surface that projects axially outwardly from the wall; and, the disk having an outer peripheral portion that engages with the shoulder surface.
- (11) The bearing assembly of Claim 1, further comprising:
 the projection engaging into the bearing convex surface.
 - (12) The bearing assembly of Claim 11, further comprising: the projection being one of a plurality of projections on the bearing support that engages into the bearing convex surface.
 - (13) The bearing assembly of Claim 11, further comprising:

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each bearing end face surface having a peripheral edge where the end face surface intersects the convex surface; and,

the projection engaging into the convex surface between the end face surface peripheral edges.

(14) The bearing assembly of Claim 11, further comprising: a disk supported on the bearing support adjacent the bearing; and, the projection being on the disk.

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- (15) The bearing assembly of Claim 14, further comprising: the projection being one of a plurality of projections on the disk that 10 engage into the bearing convex surface.
 - (16) The bearing assembly of Claim 14, further comprising: the disk having a center hole with a peripheral edge and a plurality of resilient tabs extending radially inwardly from the peripheral edge, the plurality of tabs engaging with the bearing; and,

the projection being on one of the tabs.

(17) The bearing assembly of Claim 16, further comprising:

the bearing seating surface being on a wall having a hole through the wall, the bearing being positioned in the hole, the wall extending radially outwardly from the hole to a shoulder surface that projects axially outwardly from the wall; and,

20 the disk having an outer peripheral portion that engages with the shoulder surface.

(18) A bearing assembly comprising:

a bearing having an exterior surface and a center bore with a center axis that defines mutually perpendicular axial and radial directions relative to the bearing:

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a bearing support having a bearing seating surface, the bearing seating surface engaging the bearing exterior surface;

- a disk supported on the bearing support adjacent the bearing; and,
- a projection on the disk, the projection engaging into the bearing 5. exterior surface.
 - (19) The bearing assembly of Claim 18, further comprising:

the projection being one of a plurality of projections on the disk, the plurality of projections engaging into the bearing exterior surface.

- (20) The bearing assembly of Claim 18, further comprising:
- the bearing seating surface being on a wall having a hole through the wall, the bearing being positioned in the hole.
 - (21) The bearing assembly of Claim 20, further comprising:

the wall extending radially outwardly from the hole to a shoulder surface that projects axially outwardly from the wall; and,

- the disk having an outer peripheral portion that engages with the shoulder surface.
- (22) The bearing assembly of Claim 18, further comprising; the disk having a center hole with a peripheral edge and the projection being on the center hole peripheral edge.
- (23) The bearing assembly of Claim 22, further comprising: the projection being one of a plurality of projections on the center hole peripheral edge that engage into the bearing exterior surface.
 - (24) The bearing assembly of Claim 18, further comprising:

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the disk having a center hole with a peripheral edge and a plurality of resilient tabs that extend radially inwardly from the peripheral edge, the plurality of tabs engaging with the bearing exterior surface; and

the projection being on one of the tabs.

5 (25) The bearing assembly of Claim 24, further comprising:

the projection being one of a plurality of projections on the plurality of tabs, the plurality of projections engaging into the bearing exterior surface.

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